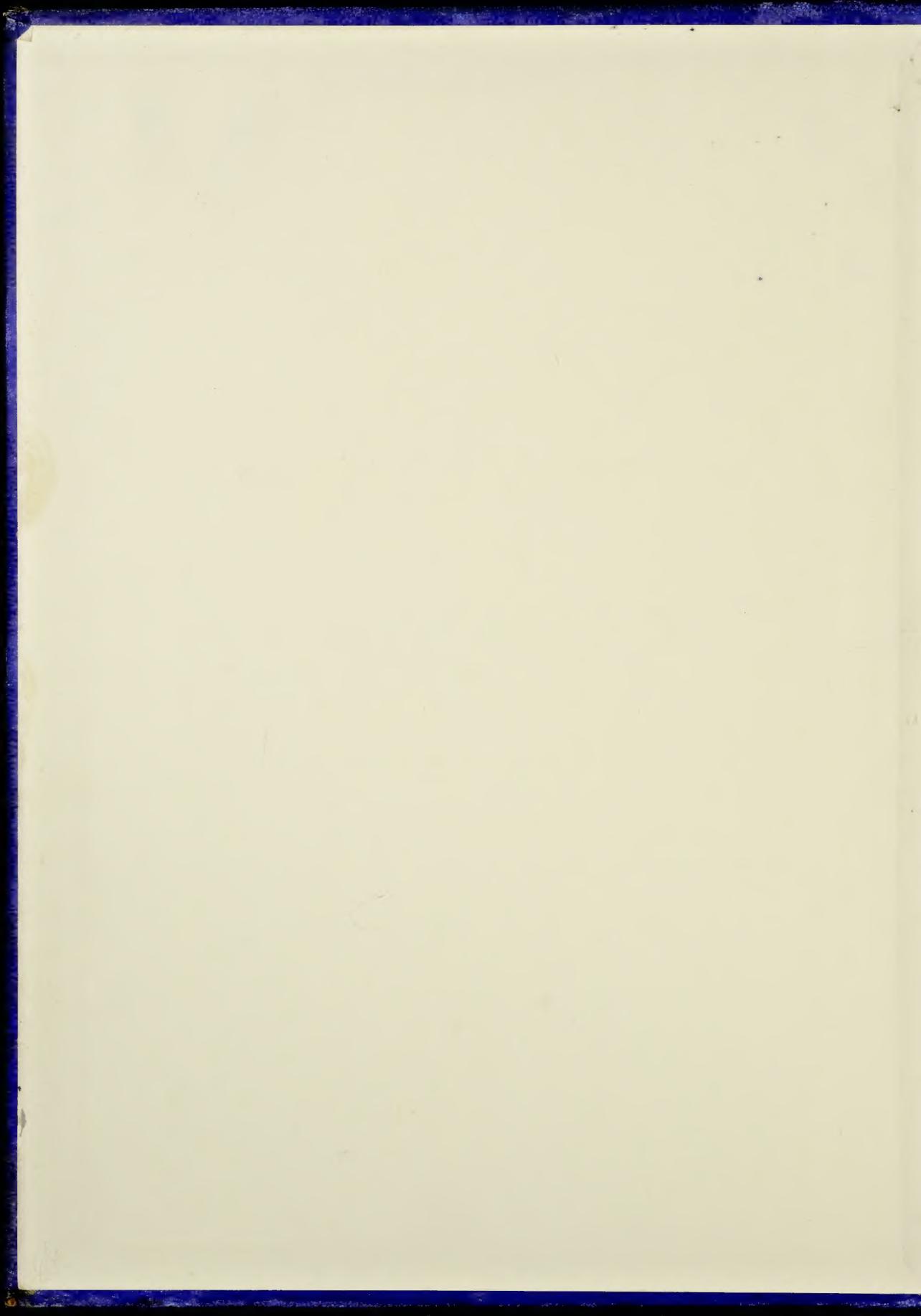
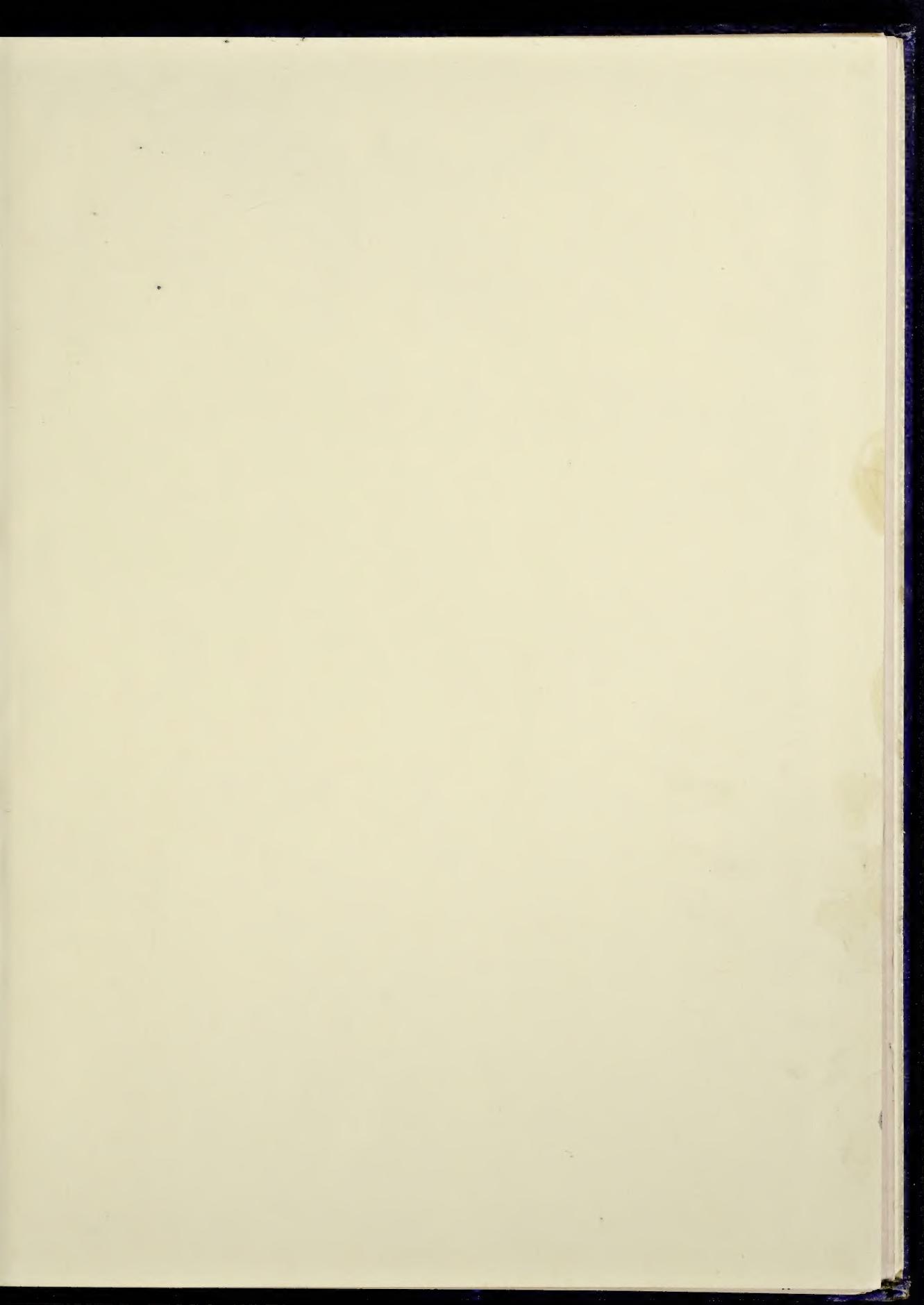


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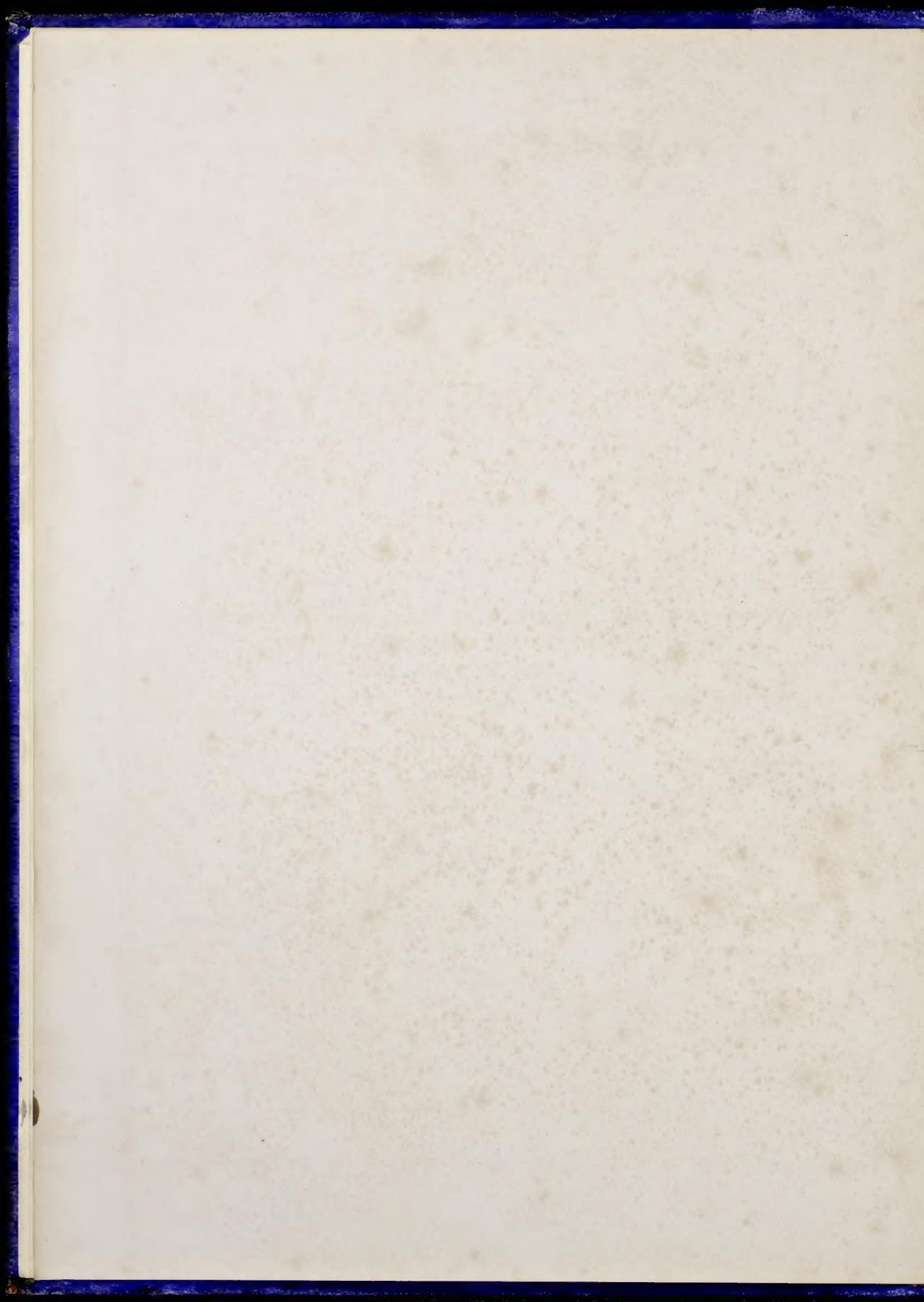
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# SPECIFICATIONS.

## PLATE I.

1. The footings to be carried down to a level, to secure a good and solid foundation, and, if considered necessary, a layer of concrete at least 18 in. thick to be thrown in, composed of 6 of sharp gravel to 1 of good stone lime.
2. To provide for digging well, cesspool, and rain-water tank, and excavate for cellars and drains.
3. The walls to be built of brick of the best and soundest quality, the faces to be red or white stocks as required, splayed jambs of windows, plinths and offsets to be moulded.
4. The mortar to be composed of one of strong stone-lime to two of clean sharp river sand.
5. To provide all hoop-iron bond, trimmer arches, flues, sleeper walls, chimney bars to projecting fireplaces, and drain pipes.
6. Turn dischargers over all openings of doors and windows the full thickness of walls, and face where they show outside with bricks moulded to form and set in putty mortar.
7. Cut bricks for, and set in cement, all cornices, ornamental brickwork, and oversailing courses and strings.
8. Pave porch, lobby, and hall, with Minton's or Maw's  $4\frac{1}{4}$  red, black, and chocolate tiles, in patterns in cement; pave offices, cellars, scullery, and back passage with Staffordshire plain red tiles.
9. All window heads, stone bands, mullions, transoms, sills, inner window jambs, keystones, stone voussoirs, and chimney tops to be worked in Box ground Bath or other approved stone.
10. All stone to be free from vents, shakes, sand cracks, or other defects.
11. Provide and set in mortar solid rubbed York stone steps to all external doorways, and elsewhere where required.
12. Provide chimneypieces for the several rooms, the best rooms £10 each, the best bed-rooms over £4 each, for other fireplaces provide the sum of £1. 10s. each, except to kitchen, for which provide the sum of £10, and scullery £4 (these prices do not include setting).
13. Provide seat for porch upon proper bearers, and brackets.
14. The timber to be of the best yellow Memel, Riga, or Dantzic fir, free from sap and all defects, and the best yellow Christiania deals and battens to be used.
15. No joists or rafters to be more than 12 in. apart.
16. The roofs to be framed according to the sections, with framed trusses where shown, any portions of the roof showing below ceilings, and ends of rafters outside, to be wrought, and all rafters to be in one piece.
17. Inch gutter boards and bearers laid to a fall of  $1\frac{1}{2}$  in ten feet with proper drips.
18. Provide all necessary centring and moulds for plasterers.
19. Lintels to be built in over all openings, the full thickness of inside walls, and to within  $4\frac{1}{2}$  of all outside walls, where there are no stone heads.
20. Joists to ground-floor rooms to be  $4 \times 2\frac{1}{2}$ , and to floors over drawing-room and 4 best rooms  $7 \times 2\frac{1}{2}$ , and beams  $8 \times 6$  wrought and moulded, other rooms in proportion to their bearings of similar depths, all joists to be built into walls 6 inches each end and notched down upon wall plates, which are to be  $4\frac{1}{2}$  in.  $\times$  3 in.
21. All wood floors to have 1 in. yellow deal folding floors, with square heading joints and mitred borders to slabs.
22. Skirtings of 4 best rooms  $1\frac{1}{4}$  in., moulded 11 in. high, other rooms and passages 7 in. high and chamfered.
23. Principal stairs to have  $1\frac{1}{4}$  in. yellow deal treads, 1 in. risers, 2 in. deal, chamfered and stopped strings, and chamfered and moulded and cut newels 3 in.  $\times$  3 in., strong fir carriages and bracketing, 1 in. square balusters, and moulded handrail.
24. Back stairs of similar stuff to principal stairs but of simpler detail.
25. The windows in best rooms to have French casements of 1 in. oak, moulded and rebated, and proper fastenings, and staybars, and  $1\frac{1}{4}$  in. folding shutters, hung with wrought iron butt hinges to pattern, and furniture to match, other windows to have no shutters, and to have wrought-iron casements, and  $1\frac{1}{4}$  chamfered jamb linings and window board.
26. The internal doors to be 2-in.: 6-panel to best rooms, to other rooms 4-panel doors, all chamfered and stopped and furniture to pattern.
27. Front door and partitions in hall to be  $2\frac{1}{4}$  in. framing panelled, panels above lock height filled in with glazing.
28. Lantern over staircase to detail drawing.

29. Kitchen and office doors to be 1 in. upright boarding, ledged and braced with  $1\frac{1}{4}$  in. stuff.
  30. To provide all water-closet fittings, cisterns, shelves and other joiner's work required.
  31. Roofs to be covered with roofing tiles in plain and cut courses in bands, and ornamental ridge crest laid to proper gauge on double fir laths.
  32. Gutters to be laid with 7 lb. lead, flashings 5 lb., cistern lined with 7 lb. bottom and 6 lb. sides, and all proper furniture and piping to cistern, pumps, and sink.
  33. Provide proper water-closet apparatus, and force and house pump to cistern, and from rain-water tank (if no water is laid on).
  34. Provide eaves spouting and stacks of down pipes.
  35. Guard-bars to all windows in ground-floor without shutters.
  36. Render float and set all walls inside, and lath and three coat all partitions and ceilings.
  37. Glaze all windows in best rooms with patent plate-glass below transoms, above transoms, and all other windows seconds Newcastle crown-glass.
  38. Stain and varnish all inside woodwork usually painted, and paint in four coats all outside wood-work, and paint all iron-work four coats, twice before fixing.
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## PLATE II.

1. See paragraph 1, 2, 4, of Plate I.
2. The walls to be built in rubble stone in courses, in mortar, and backed with brickwork in mortar.
3. See paragraph 5, Plate I.
4. Turn dischargers in brickwork over all openings the full thickness of all walls, except external walls, where they are to be turned in walling stone.
5. See paragraph 8, Plate I.
6. See paragraphs 9 and 10, Plate I., and add all quoins, copings, strings, and parapets, and other dressed stone work.
7. See paragraph 11, Plate I.
8. See paragraph 12, Plate I.
9. See paragraph 13, Plate I.
10. See paragraphs 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 25, 26, 27, 29, 30, Plate I.
11. Roofs to be covered with blue Welsh slates on slating battens to proper gauge.
12. See paragraphs 32, 33, 34, 35, 36, 37, 38, Plate I.

## PLATE III.

1. See paragraphs 1, 2, 4, Plate I.
2. The walls to be built of brick of the best and soundest quality ; the facers to be red or white stocks as required, and the plinth to be composed of a header course of splayed moulded bricks 6 in. high.
3. See paragraphs 5, 6, 7, 8, 9, 10, 11, 12, Plate I.
4. See paragraphs 14, 15, Plate I.
5. The lead flat on top of roof to be boarded with 1 in. boards wrought one side, and with a fall of 1 in. in ten feet, and supported on  $5\times 3$  joists, these joists to notch into trimmer  $5\times 3$ , the roof to be supported by half principals,  $8\times 5$  at each hip angle ; and strong beams at level of eaves to form tie-beams, and also to support floors of attics. The flat to be trimmed for a trap to give access on top, with proper flaps, ledged and hung with strong hinges.
6. See paragraphs 18, 19, 20, 21, 22, 23, 24, Plate I.
7. The windows to have 2 in. rebated and moulded sashes (sash-bars where required), hung with proper weights, lines, and pulleys, and boxings ; the best rooms on the ground floor to have  $1\frac{1}{4}$  bead butt, and square shutters, hung with 3 in. brass butts and furniture, and folding into 1 in. boxings, and  $2\times 3$  chamfered architrave ; other windows to have no shutters, and to have  $1\frac{1}{4}$  jamb linings, heads, and window boards, and protected on the outside by upright stauncheon bars of  $\frac{3}{4}$  in. square iron, let into frames top and bottom, and 9 in. apart.
8. See paragraphs 27, 29, 30, Plate I.
9. Roof to be covered with blue Welsh slates, laid to proper lap upon slating battens.
10. Lead flat, and gutters laid with 7 lb. lead, flashings 5 lb., cistern lined with 7 lb. bottom and 6 lb. sides, and all proper furniture and piping to cistern, pumps, and sink.
11. See paragraphs 33, 34, Plate I.
12. Provide wrought-iron frame for conservatory over porch, rebated for glass, to detail, the top of each light, and each division of top, to be made to open, with all proper cords, pulleys, and cranks.
13. See paragraph 36, Plate I.
14. Glaze windows of best rooms with patent plate glass, one piece to each sash ; all other rooms to have seconds Newcastle crown glass, and each sash divided into four panes.
15. See paragraph 38, Plate I.
16. Provide the sum of £35 for cornices and enrichments to ceilings.

## PLATE IV.

The Specifications for Plate II. will apply to this design, adding that the chimney stacks, and bay windows to drawing room, are to be of red brick, the chimney tops to be of moulded brick.

## PLATES V. &amp; VI.

1. See paragraphs 1 and 2, Plate I.
2. The external walls, where shown of stone below the timber framing, to be built of walling stone, faced in random courses, with through stones every half yard superficial, the full thickness of the stone walls, a space to be left of  $2\frac{1}{2}$  in. on the inside face of these walls, and a  $4\frac{1}{2}$  brick wall to be built, to form the inside face next the rooms, these brick walls to be bonded with headers 2 ft. 3 in. apart in every course into the stone walls, and copper cramps of an L form to be used where necessary. All chimneys and chimney stacks, and internal walls, to be of brick, and all flues to be formed, pargeted, and cored.
3. The face of walling stones to be hammer dressed, and the quoins to be of the same stone as the walling where possible, with the upper and lower sides worked truly, and the faces hammered more neatly than the general face of walls.
4. The spaces between the timber framing, and the walls behind the framing, 9 in. thick to be built of brickwork; left  $1\frac{1}{4}$  from the face of framing, for plaster, except where brickwork in patterns is shown, it is in those cases to be brought to within  $\frac{1}{2}$  in. of the face of framing.
5. See paragraphs 4, 5, 6, 7, and 8, Plate I. (Dischargers where they show on the outside face to be of walling stone.)
6. All stone corbels, chimneys, water tables, plinths, and sloping weather courses, to be worked in Box ground Bath or other approved stone, free from vents, shakes, sand cracks, or other defects.
7. See paragraph 11, Plate I.
8. Provide chimney-pieces for the several rooms: for the best rooms £30 each, the best bedrooms over £6 each, for dressing-rooms and other fireplaces provide the sum of £1. 10s. 0d. each, except to kitchen, for which provide the sum of £20, and scullery £8.
9. See paragraph 13, Plate I.
10. The fir timber to be of the best Memel, Riga, or Dantzic, and the oak to be of the best English, deals to be of the best yellow Christiana.
11. The timber framing throughout to walls and to windows and other openings to be of the best English oak, mortised and tenoned together, and into the stone sills; where curved pieces are used, those that are naturally bent in the growth to be picked out where possible; run a groove down the sides of framing, so as to give a key to the plaster, and leave the face  $\frac{1}{2}$  in. back from the face of timber.
12. See paragraphs 15, 16, 17, and 18, Plate I.
13. The turret to be carefully framed, and the timbers wrought to show in the hall.
14. See paragraphs 19, 20, 21, 22, Plate I., and instead of "four best rooms," insert "best rooms and rooms over."
15. Principal stairs to have  $1\frac{1}{4}$  oak heads, and 1 in. oak risers,  $2\frac{1}{4}$  oak moulded strings, and chamfered and moulded, and cut newels  $3\frac{1}{2} \times 3\frac{1}{2}$ ; strong fir carriages, and bracketing 2 in. square cut balusters, 2 to each tread, and moulded handrail.
16. For other staircases see description of principal stairs, Plate I. paragraph 23.
17. Provide for two screens in hall the sum of £150.
18. Similar balusters, newels, and handrail to principal stairs, and  $9 \times 2\frac{1}{4}$  oak apron piece to well-hole over hall; the ceiling under this part of the floor, and the soffits of the stairs to be boarded with  $\frac{3}{4}$  oak boarding, grooved and tongued, and divided into panels by small moulded ribs.
19. Provide for oak panelling in hall and library the sum of £100.
20. The ceiling of 5 best rooms on ground floor to be boarded with oak boarding, grooved and tongued, and divided into panels between the beams by small moulded ribs.
21. Provide for pugging in the thickness of all floors, except ground floors.
22. The windows in best rooms, and bedrooms, and dressing-rooms over, to have oak casements  $1 \times 1\frac{1}{2}$  and 1 in. oak folding shutters, hung with wrought iron strap hinges to pattern, and furniture to match;  $3 \times 2$  moulded oak architrave, and panelling under windows carried down to the ground; other windows to have no shutters, and to have wrought-iron casements, and  $1\frac{1}{4}$  fir framing, and linings, and  $3 \times 2$  in. fir chamfered architrave. All casements to have proper fastenings and stay bars.
23. Internal doors of best living, bed, and dressing-rooms, to be 2 in. 6-panel, other rooms 4-panel doors, all chamfered and stopped, and furniture to pattern.
24. See paragraphs 29, 30, 31, 32, 33, 34, 35, Plate I.

## SPECIFICATIONS.

25. Render float and set all walls inside, except those specified to be panelled, and the offices, which are to be whitewashed.
26. Plaster in three coats all spaces between the timber framing outside, to be keyed well into the mortise provided, all patterns on the plaster to be done in the last coat, with a pointed tool, while the stuff is still wet.
27. See paragraphs 37 and 38, Plate I.
28. Provide all stone and slate shelves, fixed upon proper bearers for larders, dairy, and store closets.

Note three errors in hatching in the ground floor plan of Plate V., viz.: between back passage, and passage to dining-room; the double doors between the library and the drawing-room, and the well-hole of back stairs.

## PLATE VII.

*Specification of Lodge on the left hand of Plate.*

1. See paragraphs 1, 2, 4, 5, 6, 7, Plate I.
2. For description of walling, see paragraphs, 2, 3, 4, Plates V. and VI., except that the backing behind framing is to be  $4\frac{1}{2}$  work.
3. Pave porch, passage, scullery and larder, with 6 in. Staffordshire red tiles, on a bed of concrete 4 in. thick.
4. Provide chimney pieces £3 for parlour, and £1. 10s. for bedrooms; the kitchen and scullery fireplaces to have 9 in. stone chamfered jambs, and arched heads.
5. See paragraphs 13, 14, 15, 16, 17, 18, 19, Plate I.
6. Joists to rooms with boarded floors on ground floor to be  $4 \times 2\frac{1}{2}$ , above  $7 \times 2\frac{1}{2}$ , in all cases to have bearings on walls  $4\frac{1}{2}$  in., and notched down on wall plates, which are to be  $4 \times 2\frac{1}{2}$ .
7. See paragraph 21, Plate I.
8. Skirtings 5 in. high, of 1 in. stuff, and chamfered.
9. Stairs to have  $1\frac{1}{4}$  yellow deal treads, and 1 in. risers, 2 in. deal chamfered and stopped strings, and strong fir carriages and bracketing.
10. Windows to have fir frames and mullions, and oak sills, chamfered, rebated and grooved, and wrought-iron casements, with proper fastenings and stay bars.
11. The gate piers to be of wrought stone, the gates to be of English oak, and hung with long strap hinges to hooks well built into the walls, and to have proper wrought iron locks and bolts.

12. Doors as described in paragraph 29, Plate I.
13. See paragraphs 31, 32, 34, 35 (no shutters), 36, Plate I.
14. Glaze all windows with best seconds Newcastle crown glass, in small panes.
15. See paragraph 38, Plate I.
16. Provide pump from well, and all proper fittings to sink in scullery.

*Specification of Lodge on right hand of Plate.*

The above specification will apply to this lodge with the exception of the walling, for which see paragraph 3, Plate I., and for wrought stone dressings for which see paragraph 9, and 10, Plate I.

## PLATE VIII.

The Specification for Plate I. will apply to this design, adding to paragraph 9 that all window jambs, strings, and quoins are to be of dressed stone.

## PLATE IX.

The Specification for Plate III. will apply to this design.

## PLATE X.

The Specification for Plate II. will apply to this design, adding that the tracery in staircase window is to be set in cement with slate dowels, and the window glazed in quarries,  $5 \times 3$  in. in strong lead lights, fastened with copper-wire to wrought-iron saddle bars 12 in. apart. The windows in prospect room over staircase to be also filled with stone tracery, and glazed in a similar manner. Hip and valley tiles to be purpose made to suit the several pitches, and provide £6 for hip knob terminations.

Omit paragraph 11, Plate II., and insert instead paragraph 31, Plate I.

## PLATE XI.

1. See paragraph 1, Plate I.
2. Provide for digging well and cesspool (one for each pair of cottages), and dig and lay all drains.

3. The walls to be built of brick, the outside walls being 11 in. thick, Flemish bond, a space of 2 in. being left in the walls between the stretchers, and the length of the headers being made up with 2 in. closers.
4. See paragraphs 4 and 5, Plate I.
5. Turn dischargers over all openings in walls the full thickness of walls, carefully set to all face work.
6. Pave porch, larder, and scullery, with 6 in. red tiles upon a layer of concrete.
7. Provide and set in mortar solid hard stone steps to external doorways, and copings to dwarf wall of porch.
8. Provide chimney-pieces for the several rooms: living room £2, and all other rooms £1 each (these prices do not include grates or setting).
9. See paragraphs 14, 15, 16, 17, 18 and 19, Plate I.
10. Joists to living room floors to be  $4 \times 2\frac{1}{2}$  in., and to rooms over  $7 \times 2\frac{1}{2}$ , and in all cases to have bearings on the walls of  $4\frac{1}{2}$  inches, and notched down upon wall plates.
11. All wood floors to have 1 in. yellow deal floors, with square heading joints and mitred borders to slabs.
12. See paragraphs 8, 9, 10, 12, 13, 14, 15 and 16, Plate VII.
13. The tile hung gables to have plain scallop tiles hung to rough boarding, and fastened with two zinc nails to each tile.

## PLATE XII.

The Specification for Plate XI. will apply to the design on right hand of plate, and also for the design on the left hand of plate, with the exception of the walling, for which see paragraph 3, Plate I., and for wrought stone dressings, for which see paragraphs 9 and 10, Plate I.

## PLATE XIII. & XIV.

1. See paragraphs 1 and 2, Plate I.
2. The internal walls to be of sound brickwork in mortar, and the external walls to be built on the inside face with 9 in. brickwork, and on the outside with walling stone in courses 18 in. thick, a space of 2 in. to be left between the inner and outer walls, and the work thoroughly tied together with brick headers, 2 ft. 3 in. apart in every course of brickwork; copper cramps of an L form to be used where necessary.
3. See paragraph 3, Plates V. and VI.
4. See paragraphs 4, 5, 6 and 8, Plate I.; dischargers where they show on the outside face to be in walling stone.
5. All door and window dressings, chimney tops, and slopes, corbels, copings, plinths, and strings, to be worked in Box ground Bath or other approved stone, free from vents, shakes, sand cracks, or other defects.
6. See paragraph 11, Plate I.
7. See paragraph 8, Plates V. and VI.
8. See paragraph 13, Plate I.
9. The principal staircase to have solid hard-rubbed stone steps, worked with a moulding on the nosings, and the soffits finished to a straight raking line, each step to have 2 copper dowels, and built into the side walls and the retaining baluster walls; the baluster walls to be open panelled in wrought stone, with moulded stone capping, and flying arches to be built under to support them, spanning from flight to flight; at each angle a marble column with moulded and carved cap and base.
10. See paragraph 10, Plates V. and VI.
11. No joists or rafters to be more than 12 inches apart.
12. The turret to be carefully framed, and the lower part of the roof to be wrought to show from the best staircase, and panelled in oak with moulded oak ribs. The top part of turret to be entirely wrought in English oak, and the whole of the parts seen from below (outside), and exposed to the weather, to be covered with 6 lb. milled lead.
13. See paragraphs 16, 17, 18, and 19, Plate I.
14. Joists to ground floor rooms with boarded floors to be  $4 \times 2\frac{1}{2}$  in.; the floors over the rooms in all cases to have beams from  $9 \times 5$  in. to  $9 \times 12$  in., according to their bearings, moulded over the best rooms, and wrought and chamfered over the offices; these beams to have good bearings on the walls, and to have oak templates  $6 \times 4$  in., 3 ft. long under them, and to be arranged about 7 ft. apart, as they will divide into the spaces in the several rooms; binders of a less scantling, also wrought and moulded, to be tenoned into them, and the whole arranged into equal divisions, so that the joists may not have a bearing of more than 7 ft.; the scantlings of joists to average  $8 \times 2\frac{1}{2}$  in.; the wall plates to be wrought  $5 \times 6$  in. and moulded to best rooms, and chamfered in others so as to form cornices, where there are no beams to show against the walls.
15. For all staircases except principal stairs see description of staircase, paragraph 23, Plate I.

## SPECIFICATIONS.

16. For skirtings see paragraph 22, Plate I., and instead of "4 best rooms," insert "best rooms and rooms over."
17. Provide for screens in hall the sum of £100.
18. The well-hole over the hall to have oak moulded apron piece, and cut and moulded balusters, with oak handrail.
19. See paragraphs 19, 20, 21, 22, 23, Plates V. and VI.
20. See paragraphs 29, 30, 31, 32, 33, 34, 35, Plate I.
21. See paragraph 25, Plates V. and VI.
22. See paragraphs 37 and 38, Plate I.
23. See paragraph 28, Plates V. and VI.

## PLATE XV.

The Specification for Plate I. will apply to this design, omitting the paragraph 28.

## PLATE XVI.

The Specification for Plate I. will apply to this design, omitting paragraphs 9, 10, 24, and 28, and describing the window and door frames to be of fir, chamfered and grooved, and oak sills to windows, weathered and throated, the sills and heads of windows to have ears bonding into the brickwork, and the whole built in as the work proceeds; the bay windows to have oak cantilevers, moulded and wrought.

## PLATES XVII. &amp; XVIII.

1. See paragraphs 1 and 2, Plate I.
2. The internal walls to be of sound brickwork in mortar, and the external walls also to be built of brickwork, and faced on the outside with ashlar, averaging 7 in. on the bed, in courses from 7 in. to 11 in. in height; the ashlar work to be well bonded into the brickwork with bond stones, 3 ft. 6 in. apart, and averaging 18 in. on the bed; the whole to be carefully and regularly carried up; the brickwork to have its joints kept as thin as possible, and all grouted with liquid mortar every 2 ft. in height.

3. See paragraphs 4 and 5, Plate I.
4. Turn dischargers over all doors and windows and other openings the full thickness of inside walls, and to be within 6 in. of the face of all outside walls.
5. See paragraph 8, Plate I. and add, "pave outer and inner corridor with Minton's or Maw's 4½ red, black, and chocolate tiles, in patterns, in cement."
6. The Specifications for Plates XIII. and XIV. will apply generally to this design, from and including paragraph 5.

## PLATE XIX.

1. See paragraphs 1 and 2, Plate I.
2. The walls not shown to be half timbered, and the chimney stacks to be built of the best and soundest quality of brick, faced with red stocks; the splayed jambs, plinths, and offsets, to be moulded.
3. The spaces between the timber framing to be built of 9 in. brickwork, left 1½ in. from the face of framing for plaster.
4. See paragraphs 4, 5, 6, and 8, Plate I.
5. The timber framing throughout to walls, and to window mullions, jambs, and heads to be of fir, except the window sills and the sill pieces standing upon the brickwork, in the wall framing, which are to be of English oak; the whole properly mortised and tenoned together and pinned; the sides of wall framing to be grooved so as to give a key to the plaster, and leave the face ½ in. back from the face of timber; all timber-framed walls to be battened on the inside, and lathed for plaster inside all rooms and passages.
6. All outside woodwork to be painted 4 coats of oil colour, to finish black or dark chocolate.
7. The Specification for Plate I. will apply generally to this design, from and including paragraph 11, omitting paragraphs 13, 24, and 28.

## PLATE XX.

The Specification for Plate I. will apply to this design, with the alterations described in Plate XVI., also all tile floors to be plain red tiles instead of Minton's or Maw's, and to be laid in mortar (see par. 8), and floors of bedrooms supported on joists, averaging

$9 \times 2\frac{1}{2}$  in. according to bearings, omitting wrought beams (see par. 20), the dairy to have slate shelves on proper bearers, and the walls to be lined with glazed Dutch tiles set in cement.

## PLATE XXI.

1. See paragraphs 1, 2, and 4 to 8, Plate I.
2. The internal walls and the internal face of all outside walls to be built of brick in mortar, and thoroughly bonded and grouted in with the stone facing of walls.
3. All external walls to be faced on the outside with ashlar, in courses averaging 10 in. in height, and 7 in. on the bed, and well bonded into the brick-work with bond stones 3 ft. 6 in. apart, and averaging 18 in. on the bed, the whole to be carefully and regularly carried up, the brickwork to have its joints kept as thin as possible, so as to prevent unequal settlements.
4. All ashlar, door and window jambs, chimney shafts above the level of roof, and generally the outside face of walls, to be worked in Portland or other approved stone, free from vents, shakes, sand cracks, or other defects.
5. The principal staircase to have hard rubbed stone steps, worked with a moulding on the nosings, and the soffits finished to a straight raking line, each step to have two copper dowels, and to be built into the side walls 9 inches. Provide the sum of £20 for wrought-iron balusters.
6. See paragraphs 11 and 12, and 16 to 19, Plate I.
7. See paragraph 5, Plate II.
8. Joists to ground floor rooms to be  $4 \times 2\frac{1}{2}$ , and to floors over  $7 \times 2\frac{1}{2}$ , beams  $9 \times 5$ , binders  $7 \times 4$ , ceiling joists  $3 \times 2$ , the beams and binders to be arranged so that the joists shall not have a bearing of more than 7 feet; wall plates to be  $4 \times 3$ , and templates under all beams where they rest upon walls.
9. See paragraphs 21 and 22, Plate I.
10. Back stairs to have strong carriages and  $1\frac{1}{2}$  in. strings and bracketing, 1 in. yellow deal treads, 1 in. risers, 1 in. square balusters, rounded hand-rail to stairs and landings.
11. The windows in best rooms and bedrooms over to have  $1\frac{1}{2}$  in. French casements and shutters, as described in paragraph 25, Plate I., other windows to have sashes as described in paragraph 7, Plate III.

12. See paragraphs 26, 27, 29, 30, 32, 33, 34, Plate I.
13. See paragraphs 9, 10, Plate III.
14. Render float and set all walls inside, and lath and thin coat all partitions and ceilings; provide £5 for enrichments to ceilings of best rooms, and plain cornices to all other rooms.
15. See paragraph 14, Plate III.
16. See paragraph 38, Plate I.

## PLATE XXII.

1. See paragraphs 1, 2, and 4 to 7, Plate I.
2. See paragraph 8, Plate I., omitting "lobby and hall."
3. See paragraphs 3 and 4, Plate XXI.
4. See paragraphs 11, 12, and 14 to 19, Plate I.
5. Joists to kitchen to be  $4 \times 2\frac{1}{2}$ , and to floors over to average  $9 \times 2\frac{1}{2}$ , according to their bearings, and in all cases to be built into the walls at least 6 inches at each end, and notched down upon wall plates, which are to be  $4 \times 3$ .
6. Stairs to be as described for back stairs, paragraph 10, Plate XXI.
7. All windows in best rooms and bedrooms over to have  $1\frac{1}{2}$  in. French casements and shutters as described in paragraph 25, Plate I., other windows to have sashes as described in Plate III., paragraph 7.
8. See paragraphs 26 and 27, and 29 to 38, Plate I.
9. See paragraph 16, Plate III.

## PLATE XXIII.

The Specification for Plate I. will generally apply to this design, with the alterations described for Plate XVI.

## PLATE XXIV.

The Specification for Plate II. will apply to this design, omitting paragraph 11, and inserting instead paragraph 31, Plate I., hip and valley tiles to be made to suit the various pitches, and provide £6 for hip knob termination.

## SPECIFICATIONS.

NOTE.—These specifications are intended to be generally descriptive of the materials and workmanship required to build and properly finish the designs in this work, and are not to be taken as sufficient to carry out the building without proper professional assistance,—amongst many other reasons perhaps the most cogent are that every locality has its special materials, modes of workmanship, and, in many cases, technical terms, and also the varying nature of sites, levels, climates, and soil, each require a special treatment.

To illustrate the amount of detail matter required

to describe and specify a building, the author would strongly recommend a work, edited by Professor Donaldson, containing a great number of Specifications by the most eminent architects; this work was published by, and can be obtained of, Messrs. Atchley and Co.

The plan of these descriptions of the designs has been to put into the Specification of Plate I. all the ordinary and usual clauses, and refer back to them in each succeeding Specification, thus avoiding, as much as possible, needless reiteration.

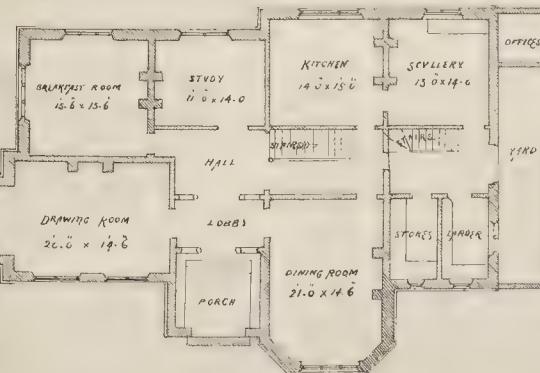
SPECIMENS OF HOUSE AND VILLA ARCHITECTURE.

PLATE I.

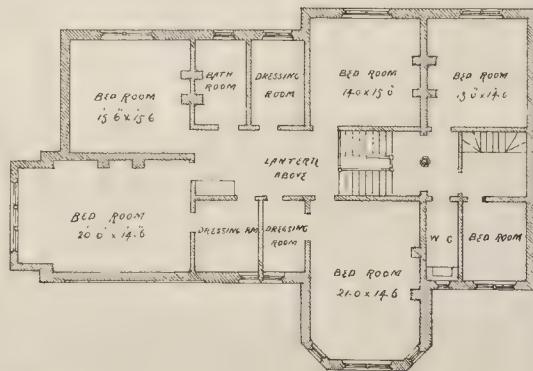


Design for a Villa to cost £1300. The walls to be built with brick, and the mullions and jambs of the windows and other openings to be of wrought stone, the roofs covered with small slates or tiles.

GROUNDS FLOOR PLAN.



FIRST FLOOR PLAN.





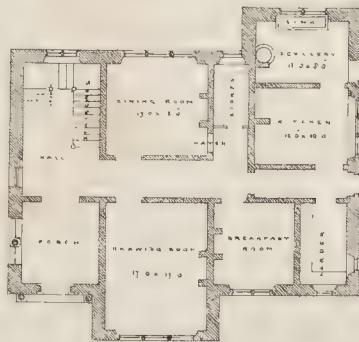
SPECIMENS OF HOUSE AND VILLA ARCHITECTURE

PLATE II.

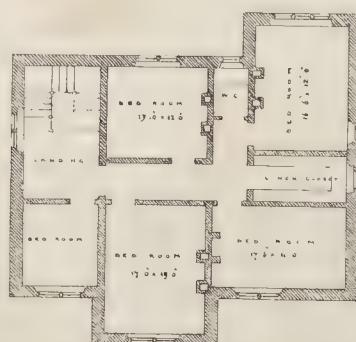


Design for a Villa to cost £1100. The walls to be of rubble walling stone in courses, and the quoins, mullions, window and door jambs of wrought stone.

GROUND FLOOR PLAN.



FIRST FLOOR PLAN.

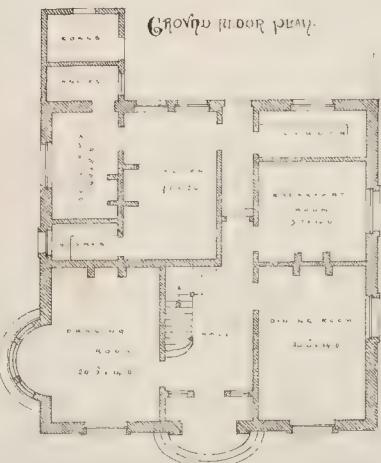


SCALE  
OF FEET

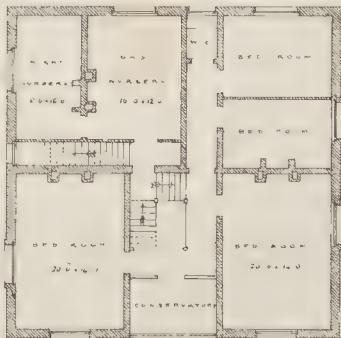




DESIGN FOR A VILLA TO COST £1200. The walls will be of rough brick, the cornices and string courses of moulded bricks, and the door and window dressings of unrough stone.



FIRST FLOOR PLAN.



Scale  
0 10 20 30 40 50

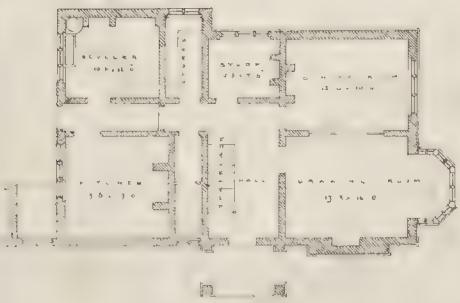
R



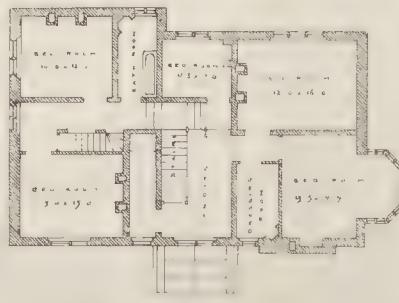
DESIGN for a HOUSE to cost £1000. the walls to be of rubble walling stone, and brick for the chimneys and bay: the gables and window and doorway dressings of free stone.



20' 0" 10' 0" 10' 0" 20' 0" 30' 0"



GROUNDFLOOR PLAN

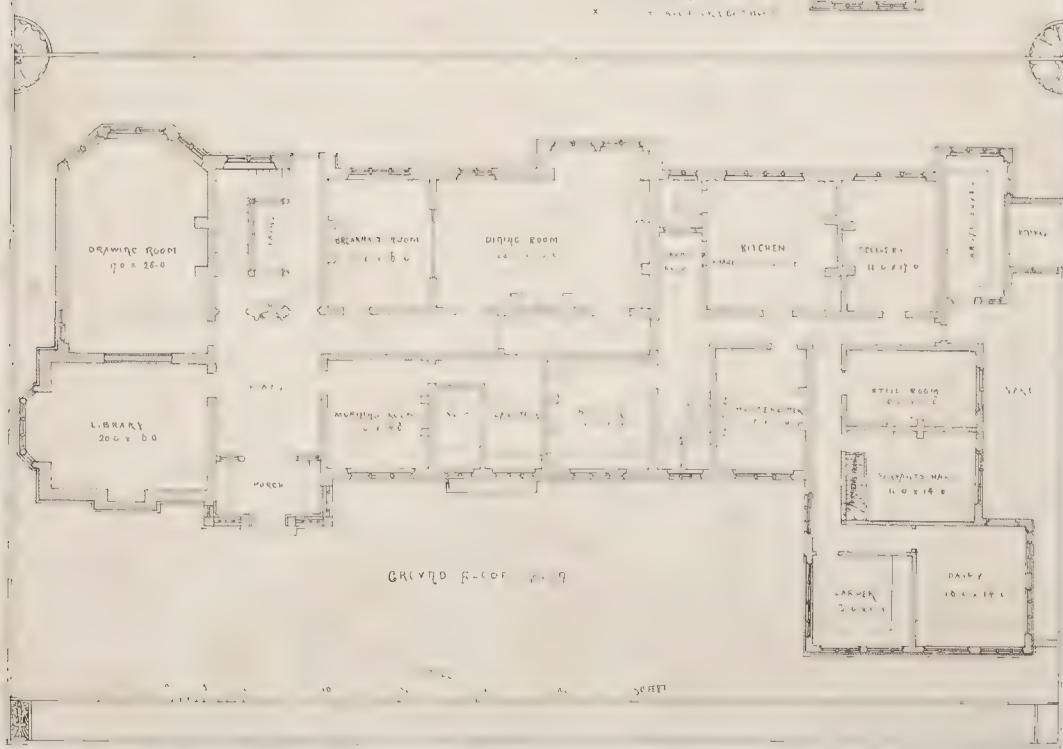
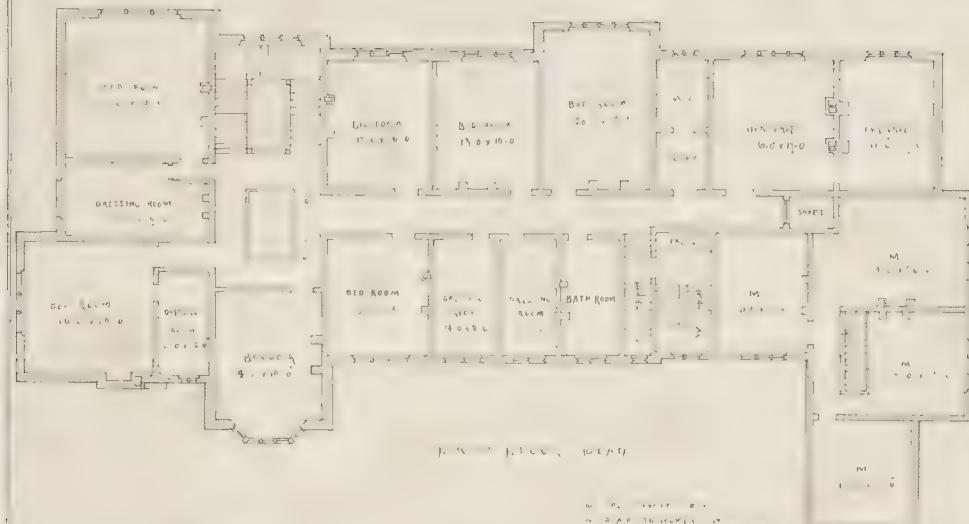


FIRST FLOOR PLAN



## Specimens of Fossils and Mineral Specimens

PLATE I







Design for a House to cost £1000. The cost for the walls & the walls for the walling stone laid aside will make the expense to be £1000. The same may be intended for a residence or pleasure house, see plan 1.

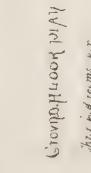




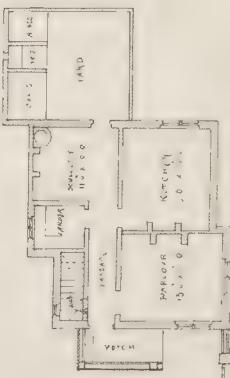
When a living model is set at 20°, the adult *C. h. luteus* exhibits a marked avoidance of the cold.



Do you feel like us, and I do, we feel very bad about it.



卷之三



282



卷之三



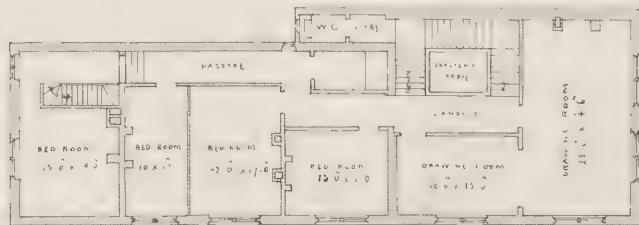
Specimens of HOUSE and VILLA ARCHITECTURE

PLATE VII

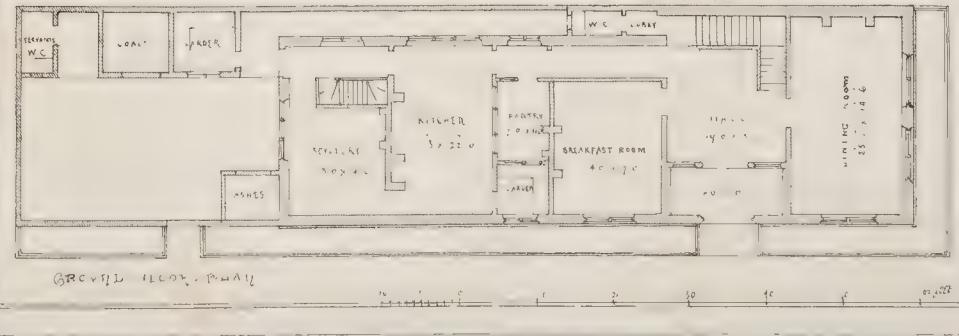


DESIGN for a townhouse, with a narrow frontage, to cost £400. the walls to be built of brick, with fine stone quoins and a window dress. 400 ft. and brick chimneys.

FIRST FLOOR. PLAN



ADJOINING PROPERTY







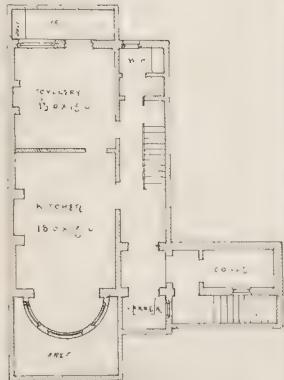
# SPECIMENS OF HOUSE AND VILLA ARCHITECTURE

PLATE IX

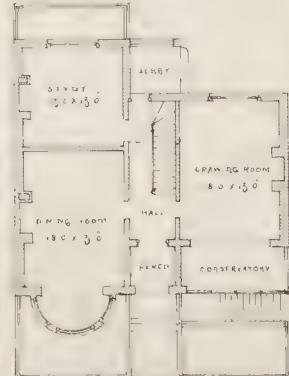


DESIGN for a Detached, or semi-Detached Villa to cost each if detached £400. if semi-detached  
brick walls and moulded cornices, having 2 amboise and 2 porticos.

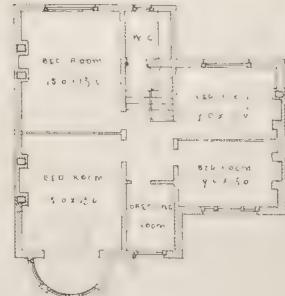
BASEMENT PLAN.



GROUNDS FLOOR PLAN.



FIRST FLOOR PLAN.



IR

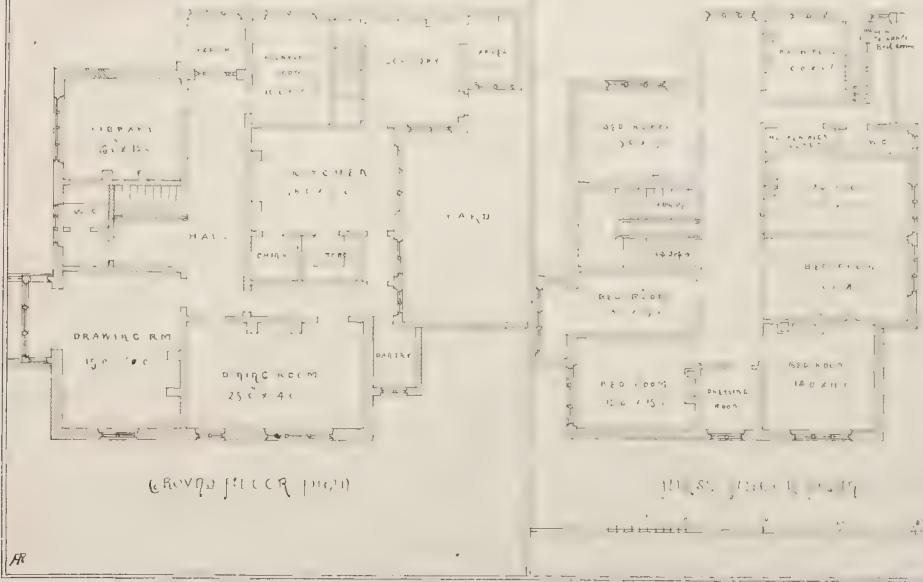


## SPECIMENS OF HOUSES IN VILLAGE ARCHITECTURE.

1976



Design for a Camp House made of logs, situated in the taiga region among the marshy bogs, Space and wood available will provide a construction of one or two identical houses, consisting of the following:

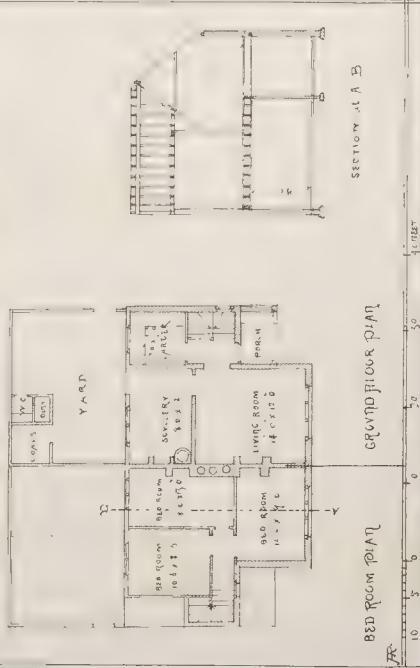




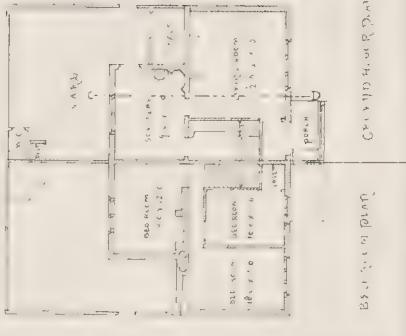
SPECIMENS OF THE VARIOUS TYPES OF HEDYCEPHALUS



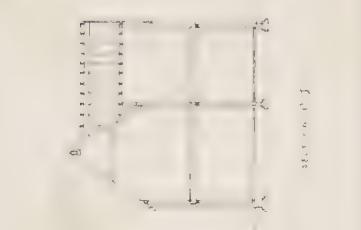
DISEASES OF THE EYE AND VISION



SECTION IV AT A B



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104

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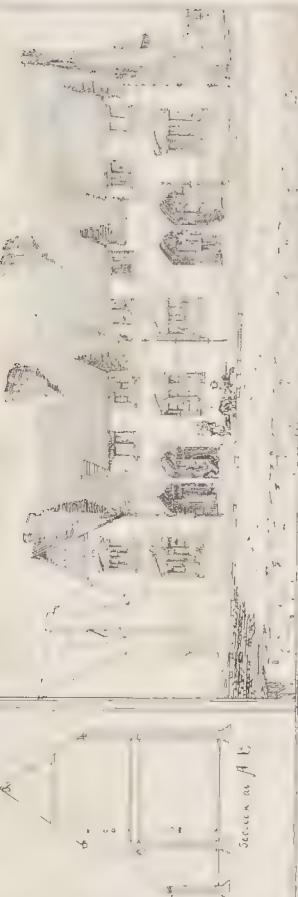
卷之三



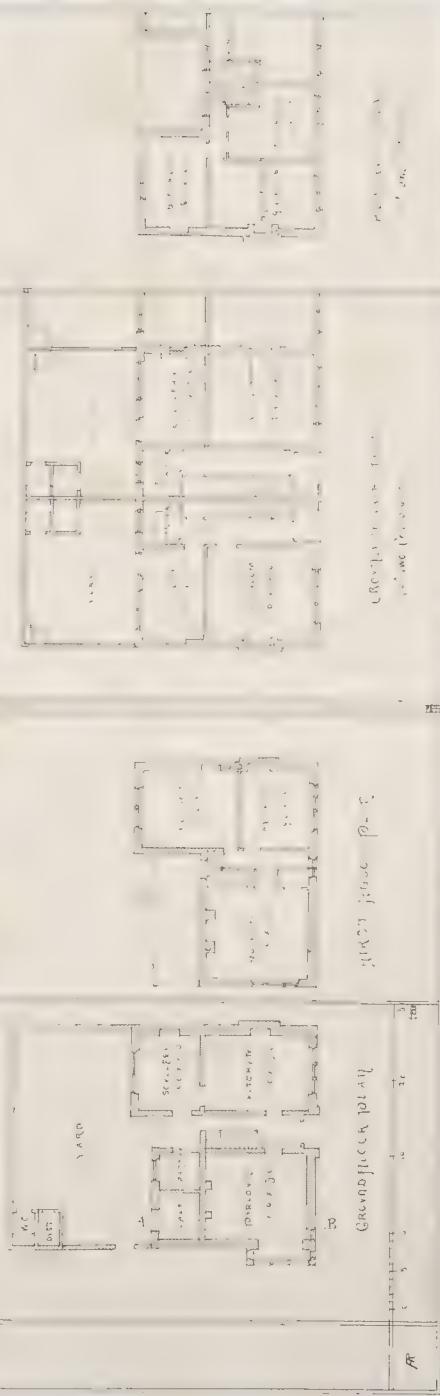
PRECIMENOS OF HCV BSE AND VILALIA ARCHITECTURE.



Design in a village to C.S. I 22. The usual result of which  
usually, the queen wins it and does very ~~any~~ <sup>no</sup> damage.

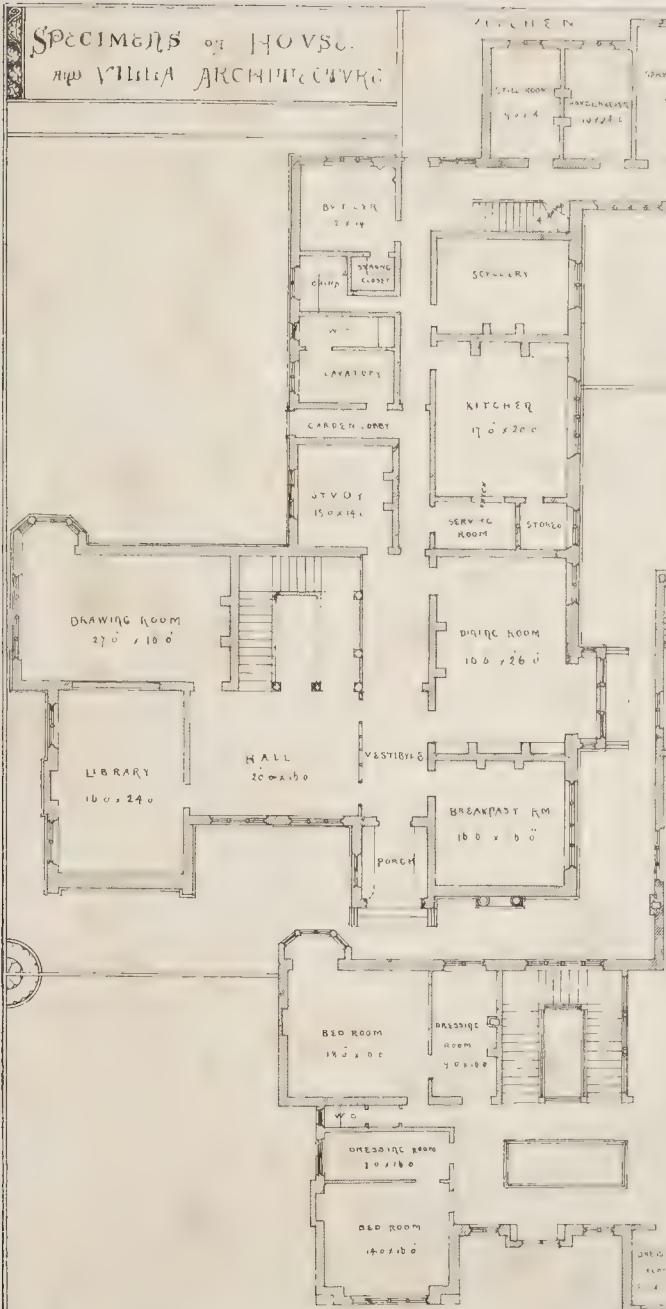


卷之三

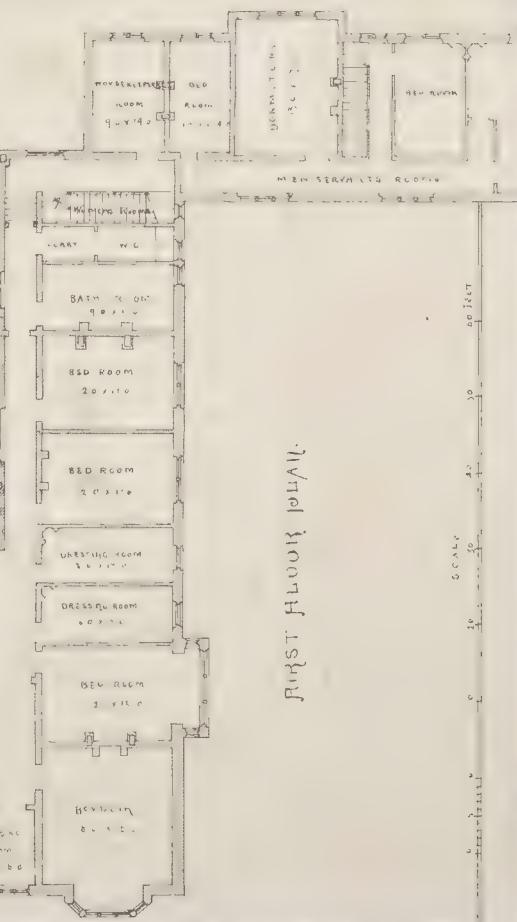




SPECIMENS OF HOUSE  
AND VILLA ARCHITECTURE



## GRUVELIJS HUUR PAAL



FIRST HLOOK; JEWELL.





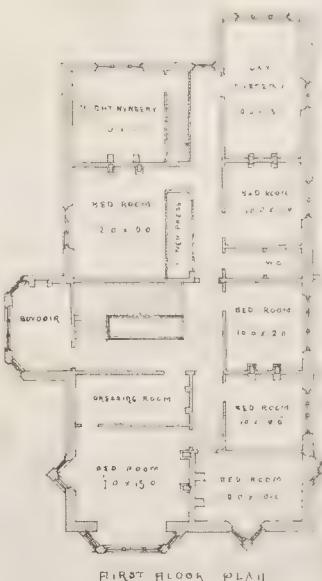
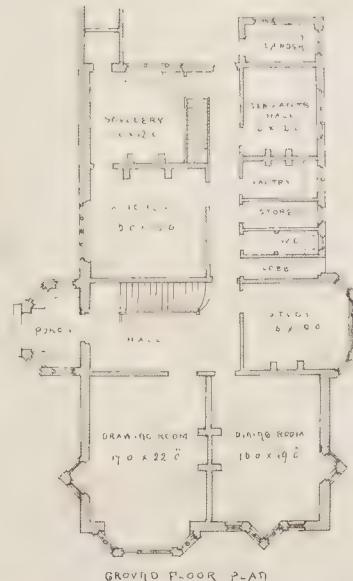
Debt with a Major Creditors. The auditor is asked to check on cash, bank and other financial assets held by the company.



**SPECIMENS OF HOUSE AND VILLA ARCHITECTURE**



DESIGN FOR A VILLA, 100ft. square. The walls are a brick with stone quoin and stone and iron dressings and brick chimneys.



JR



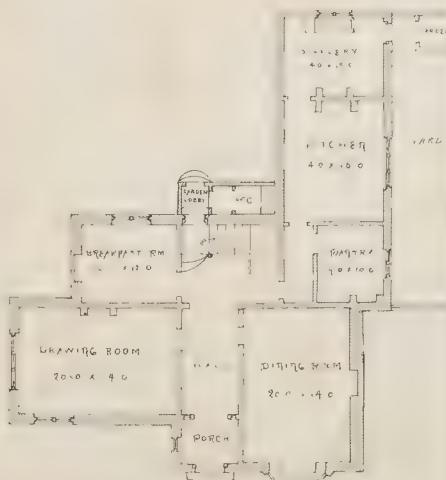
SPECIMENS OF HOUSE AND VILLA ARCHITECTURE

NO. 117



DESIGN FOR A VILLA TO COST £1000. THE WALLS TO BE OF RED BRICK WITH BLACK SLATE RAVELS IN UNDERS AND DOOR NAMBS AND MULLIONS TO BE OF IRON.

GROUNDS FLOOR PLAN



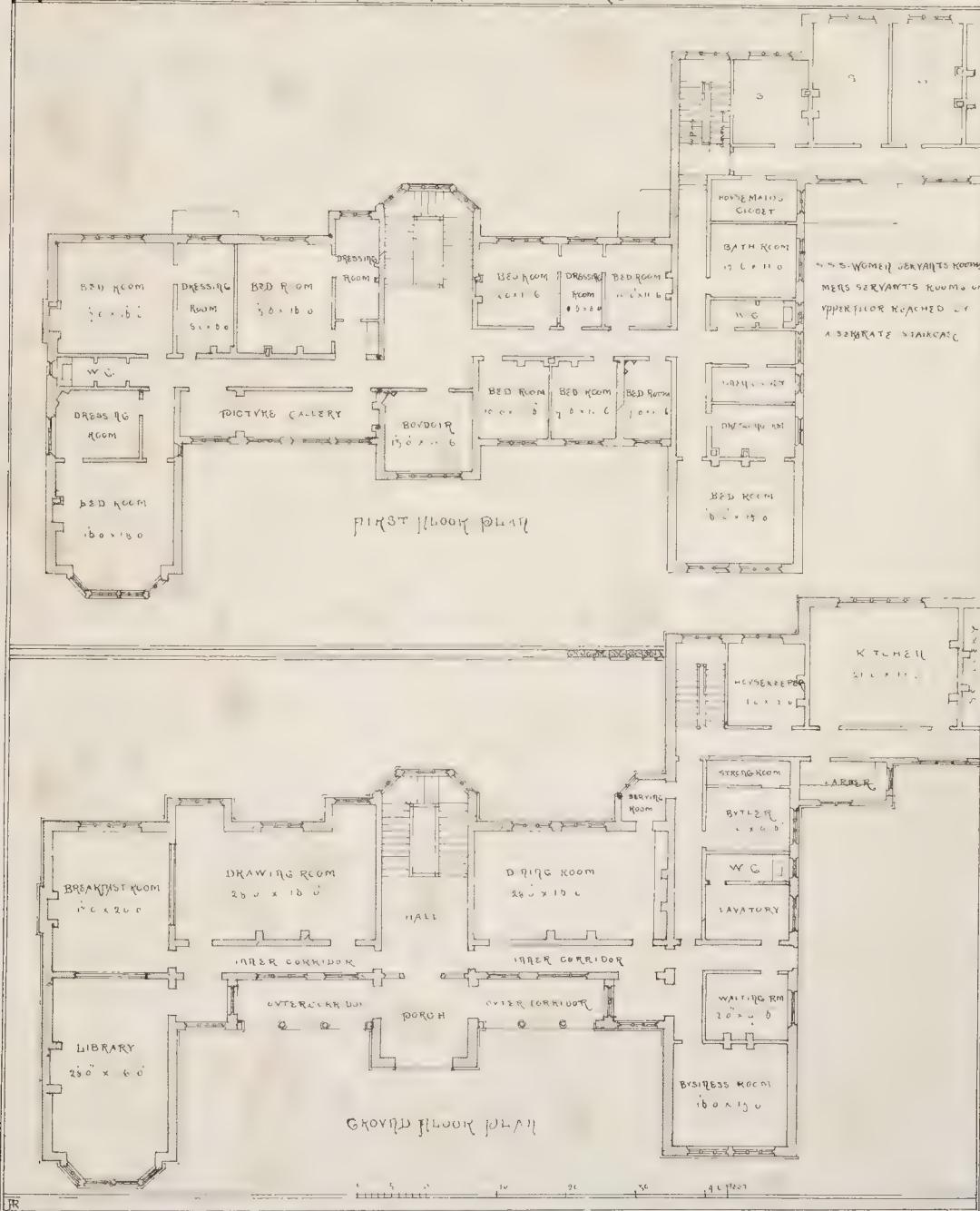
UPSTAIRS FLOOR PLAN





# SPECIMENS OF HOUSE AND VILLA ARCHITECTURE

PIATE VIII







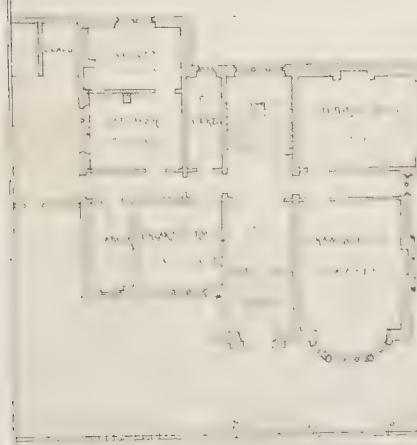
Design for a MANSION to cost £ 10,000. The walls to be of brick, set in headers, with dressed stone quoins, two and a half storeys high, and a basement.



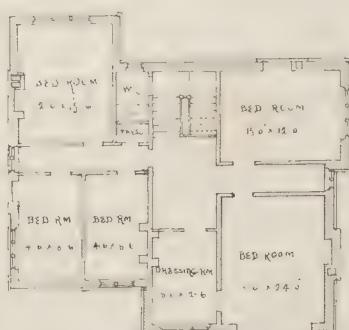


DESIGN FOR VILLA TO COST £1000. THE FLOOR AREA IS 1000 SQ. FT. THE ROOF IS OF TILED SLATES. THE WALLS ARE TO BE PAINTED IN A MEDIUM COLOUR, WITH BRICK AND PLASTERED MORTAR. THE EXTERIOR HAVING A COAT OF PLASTER.

GROUND FLOOR PLAN



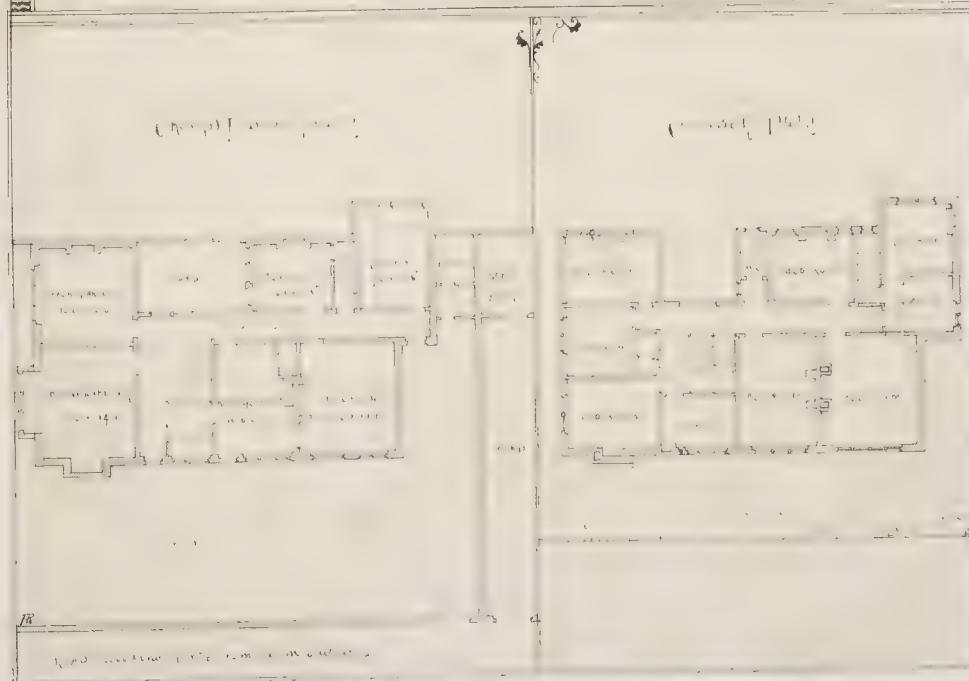
FIRST FLOOR PLAN

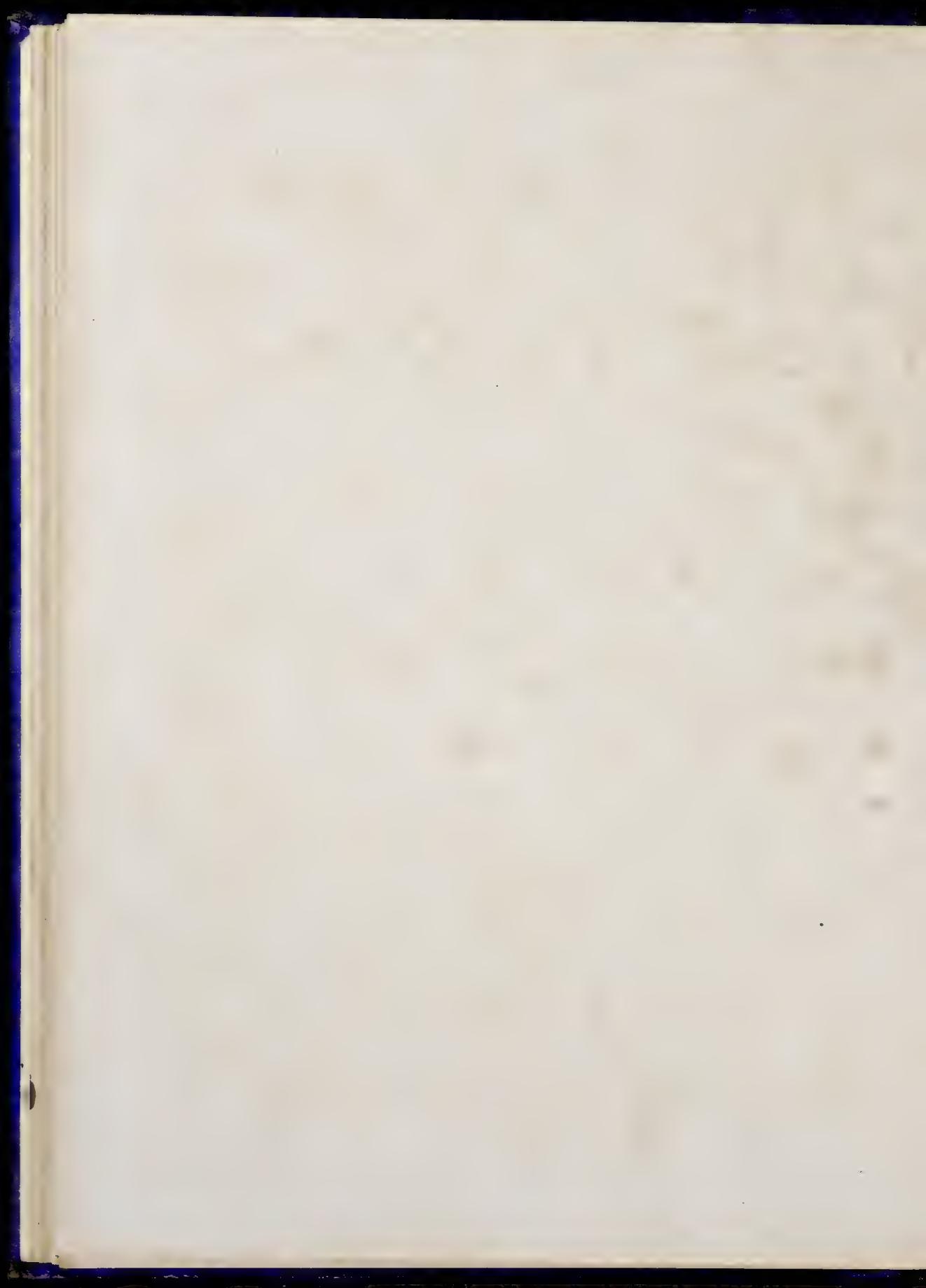






Design of HAMPTON COURT HOUSES. Cost £1000 each under and servants' rooms, and chimney  
and mantel piece, and door & window frames £100.



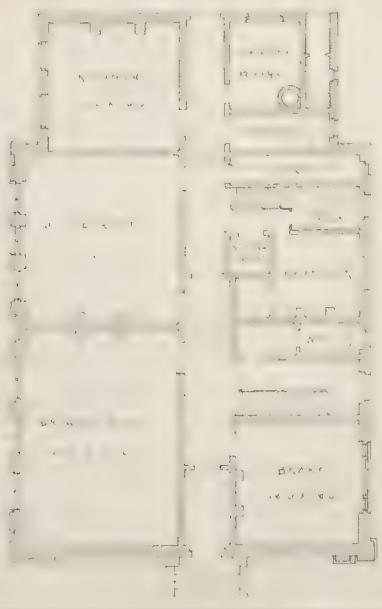


SPECIMENS - G. V. & W. VILLE, ARCHITECTS, &c.

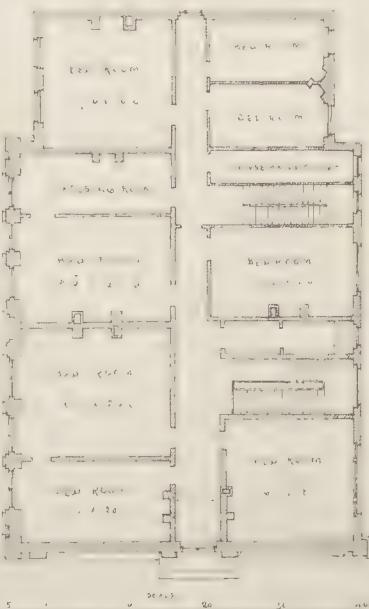


Design for a Villa occupying 100 ft. by 150 ft. and faced with tiles or stone facing or a combination of both.

Crossed Plan.



FIRST FLOOR PLAN.



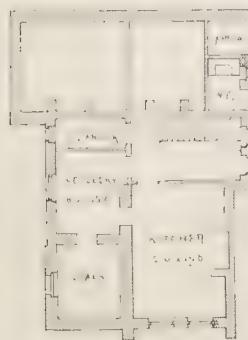


SPECIMENS OF VICTORIAN ARCHITECTURE

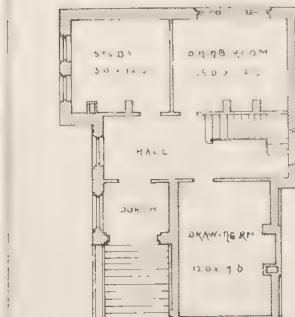
PLATE XXI



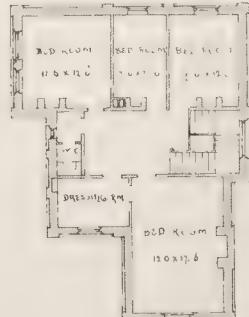
Design. A very large house, the walls to be built in brick and faced with freestone and the roofs covered with tile slates.



BASMENT PLAN

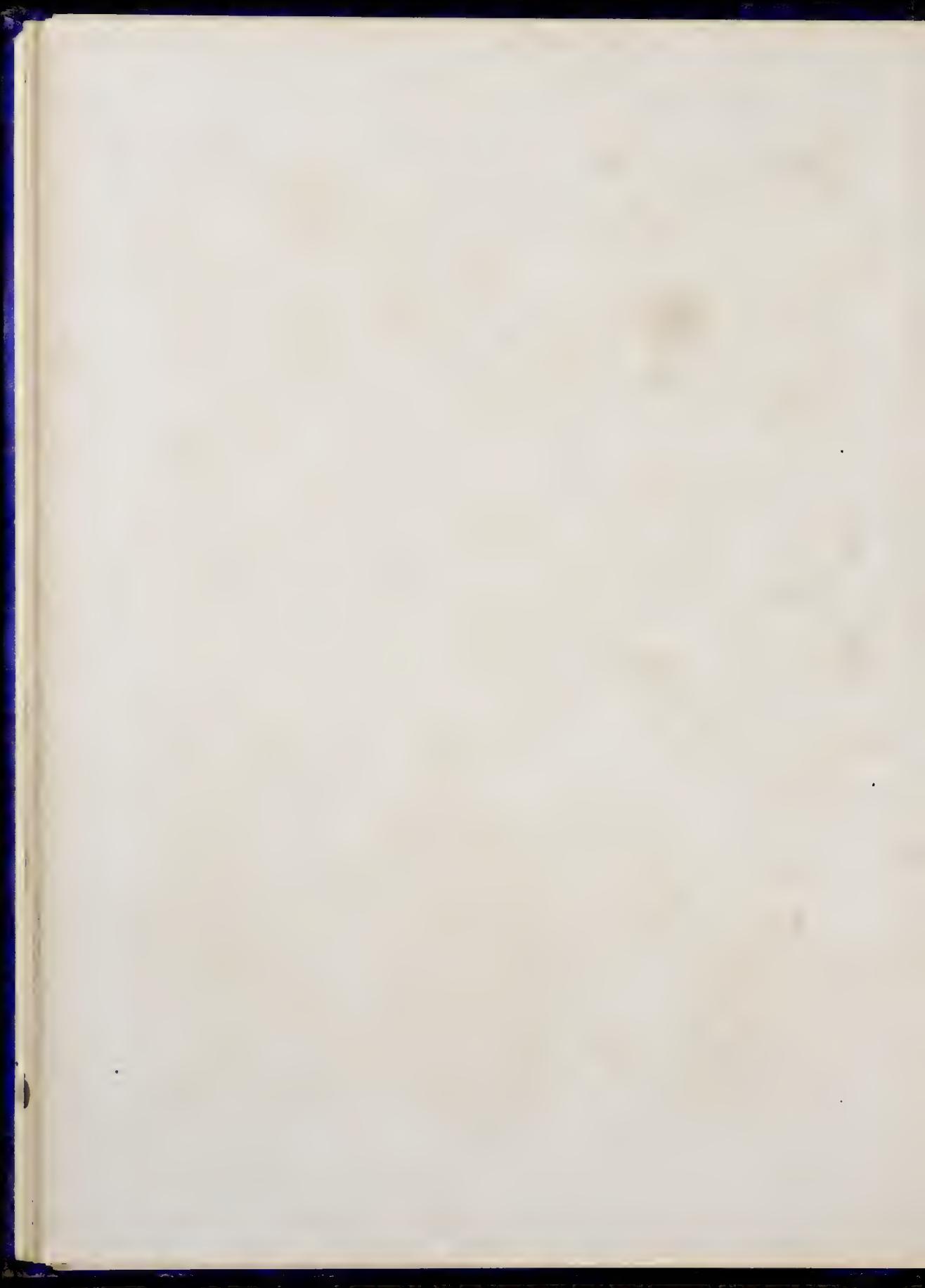


GROUNDFLOOR PLAN



FIRST FLOOR PLAN

Scale 10 5 0 10 20 30  
ft.

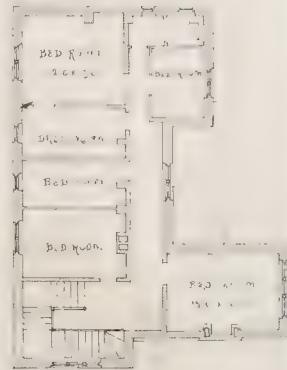


## SPECIMENS OF HOUSE AND VILLA ARCHITECTURE

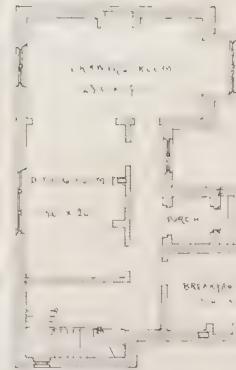


DESIGN PER AVILIA a cost of one thousand dollars and one hundred dollars

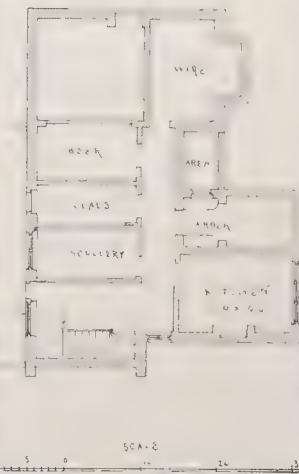
Chen et al.



$\text{Mg}^{2+}$  +  $\text{O}_2$   $\rightarrow$   $\text{MgO}_2$



3000 M211 - Page



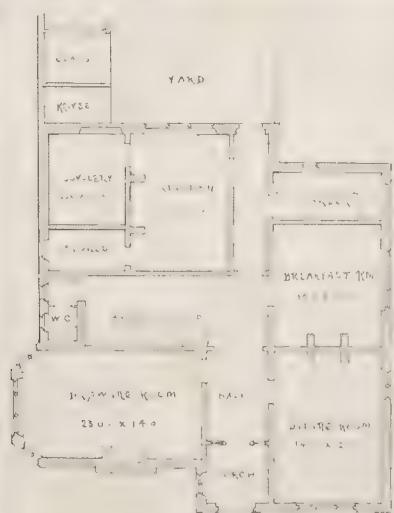


SPECIMENS OF HOUSE AND VILLA ARCHITECTURE

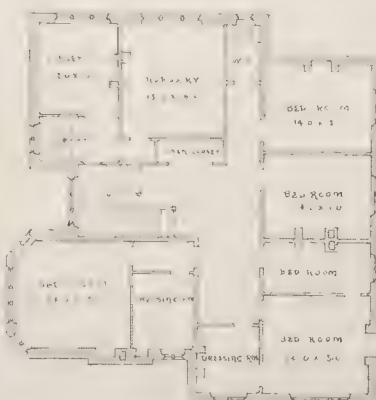
PLATE XIV



Design No. 1103 is a two story villa combining stone and tile roof and window  
exterior's being exposed to circulation.



GROUND FLOOR (PLAT)



FIRST FLOOR (PLAN)

SCALE 0 10 20 30 40 FEET







Special  
folio 91-B  
26486

